MATTHEW E. NESTA

Ecological and Geographical Sciences Section
Environmental Science Division
Argonne National Laboratory

Education:

B.S.   Earth Science, Geography, Montana State University, 1999

Professional Experience:

2004-Present   GIS Specialist
               Environmental Science Division
               Argonne National Laboratory

Provide technical support and assistance to GIS staff to develop and maintain GIS databases and applications.   Prepare computer generated maps and analysis for environmental reports and presentations.

Summary of Previous Experience:

1999-2004   Geographer
               National Wetlands Research Center
               Gulf Breeze Project Office

Served as technical lead of photogrammetry for the Gulf Breeze Project Office. Designed, managed, and maintained a GIS for use in natural resource inventorying and monitoring, temporal and spatial trend analysis, and ecosystem assessment and modeling. Utilized Geographic Information and imaging processing systems for the analysis of wetland, aquatic, and terrestrial resources.

1998-1999   GIS Technician
               Department of Land Resources and Environmental Sciences
               Montana State University

Utilized Advanced Very High Resolution Radiometer (AVHRR) multispectral data for the analysis and monitoring of resources in the Great Plains.   Designed, managed, and maintained a GIS for use in inventorying and monitoring noxious weed infestations across the State of Montana.

Research Interests:

Interrelationship of social, economic, political, cultural, and environmental factors as they apply to conservation, policy, and management issues.